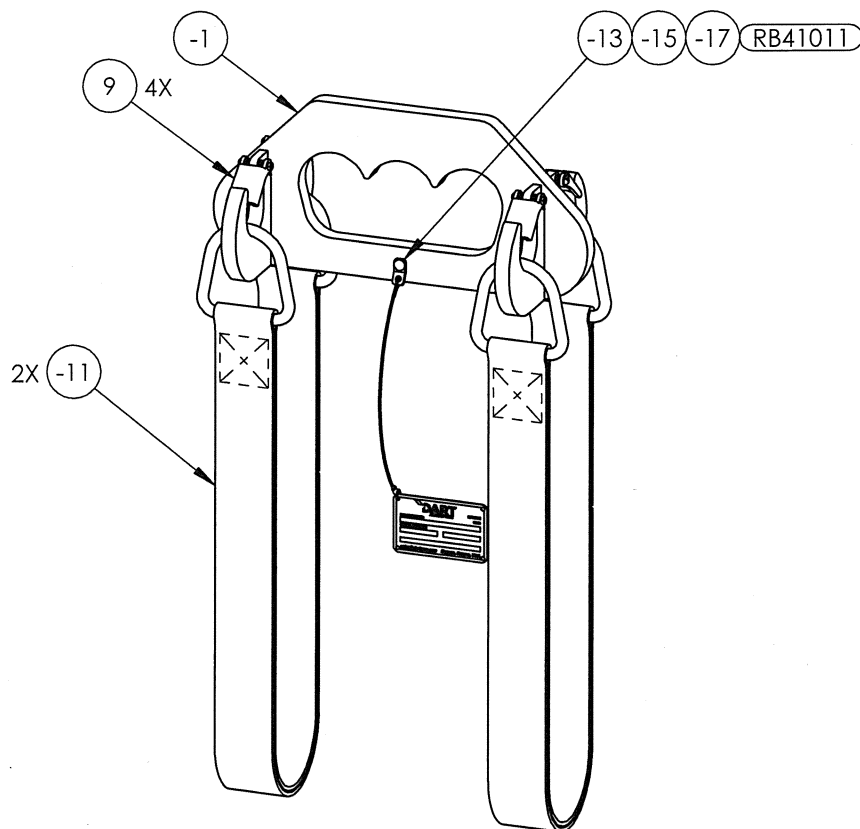


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION	7/13/2016	SM	JAG
B	19-727	TEST LOAD SHEET ADDED	2019-05-16	VM	VM



CAGE CODE
3AL84

PART NUMBER

RBE117-W3

SERIAL NUMBER

SWL 8,000 LBS.

WEIGHT TESTED 12,000 LBS. --/--/----

sales@dartaero.com Eugene, Oregon, USA

NOTES:

1. REF. EUROCOPTER T/N: 117 W3.
2. WEIGHT TEST TO A TOTAL 12,000 LBS. (6,000 LBS. PER SLING).

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-1	1	WELDMENT			2
	1		-3		FRAME	1018/1020 CR		3
	4		-5		HOOK	1018/1020 CR		4
	4	B/O	-7		SPRING PIN	STEEL	Ø1/4 x 1-1/8 (MCMaster-CARR # 98296A927)	2
		B/O	9	4	SPRING LATCH W/ BOLT & NUT	S.S.	1-5/8 x 9/16 x 3/8 (MCMaster-CARR # 3526T72)	1
		B/O	-11	2	BASKET SLING		2 PLY, 2 IN x 36 IN, 12,800 LB CAPACITY (MSC # 85810844)	1
		B/O	-13	1	LANYARD CABLE		Ø1/16 x 8in (MCMaster-CARR #30345T532)	1
		B/O	-15	1	SPLIT RING		1-1/16 OD X 15/16 ID X 1/8 THK (MCMaster#90905A673)	1
		B/O	-17	1	METAL SCREW NAIL	STEEL	#10 (MCMaster-CARR # 90081A240)	1
		B/O		1	DART PLACARD	ALUMINUM	RB41011	1

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PART NUMBER

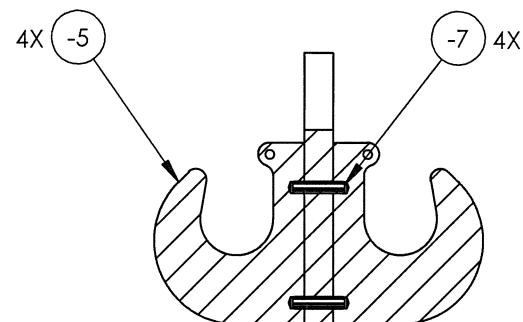
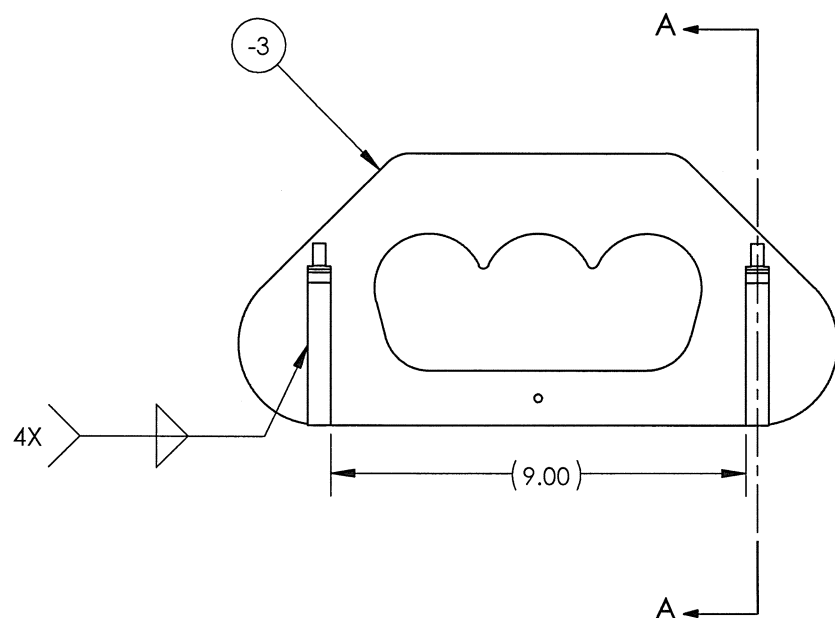
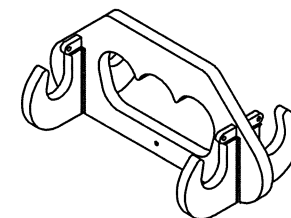
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SECTION A-A

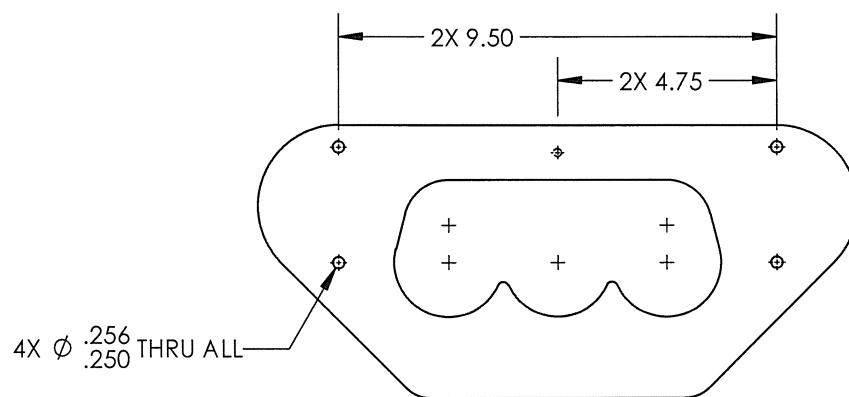
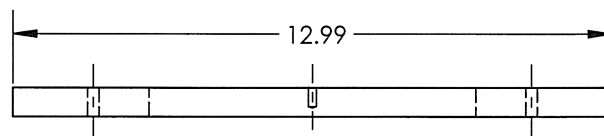
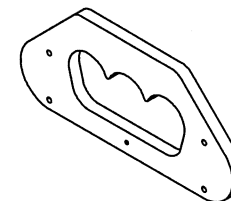
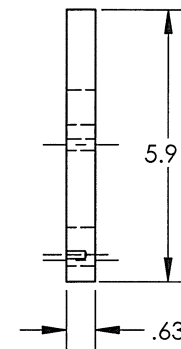
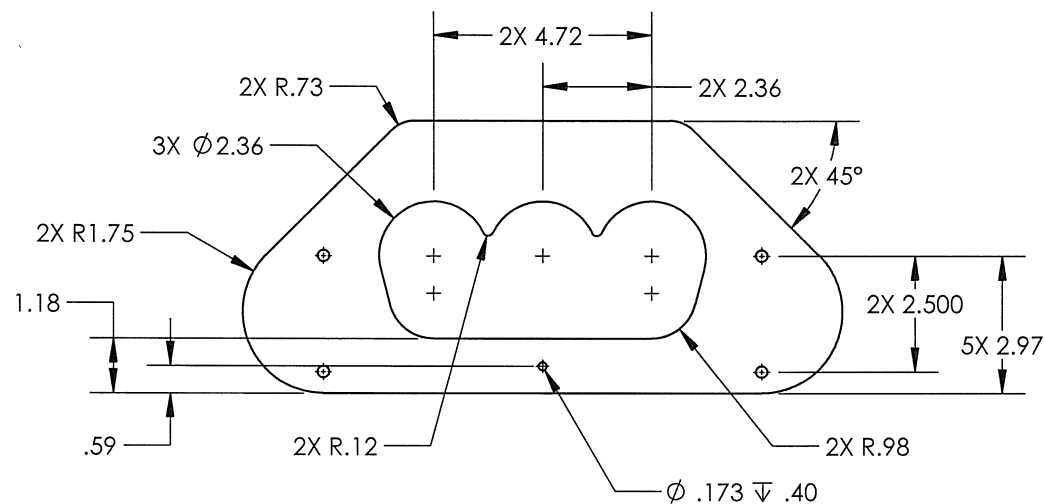
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WELDMENT

DART AEROSPACE	
TITLE MAIN ROTORHEAD REMOVAL/INSTALLATION HOIST	
DWG NO. RBE117-W3-1	REV B
MAT'L HEAT TREAT FINISH POWDER COAT YELLOW	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125/
SPEC FED #13538	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: DUERFELDT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: ANDERSON	USED ON MODEL
QA APPR: LINDSAY	EC145
APPROVED: GILBERT	
SCALE 1:4	DATE 2010-08-05 SHEET 2 OF 5

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



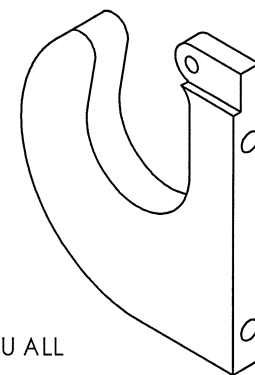
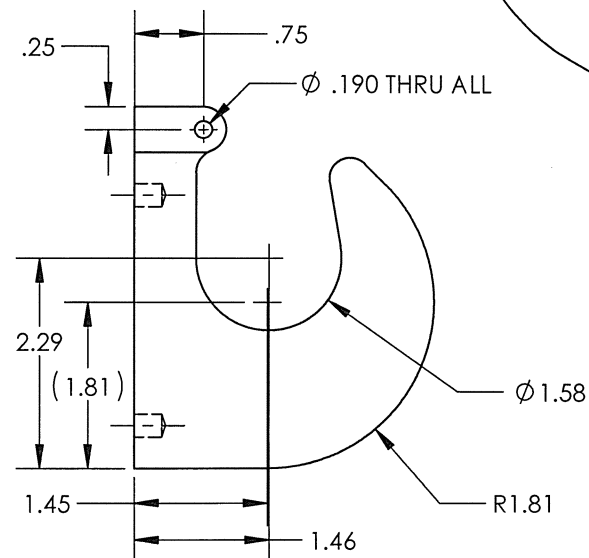
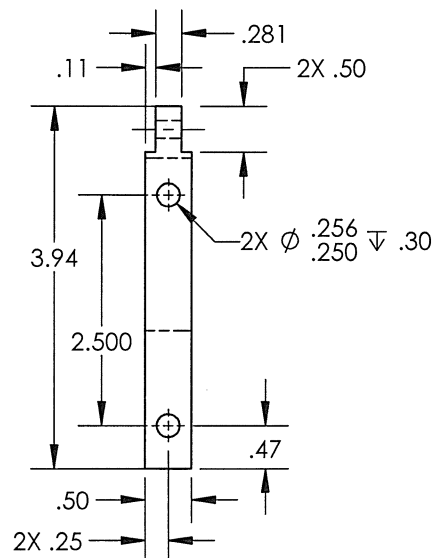
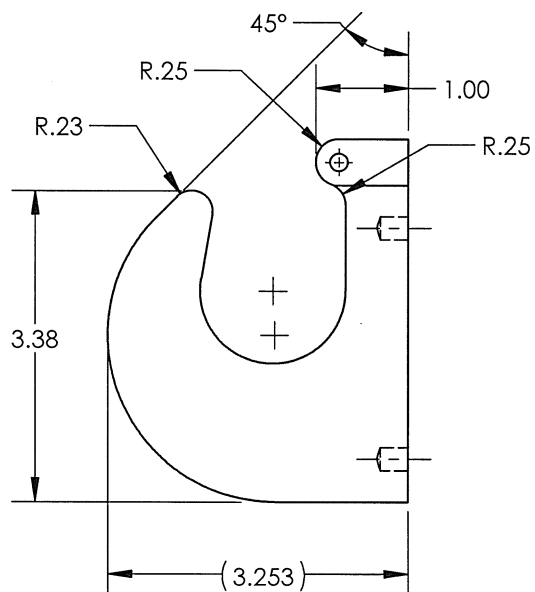
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FRAME

DART AEROSPACE	
TITLE MAIN ROTORHEAD REMOVAL/INSTALLATION HOIST	
DWG NO. RBE117-W3-3	REV B
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .010 FRACTIONS ± 1/8
FINISH SEE -1 WELDMENT	.XX ± .03 ANGLES ± 1°
SPEC	.X ± .1 SURFACES = 125/
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	EC145
SCALE 1:4	DATE 2010-08-05
SHEET 3 OF 5	

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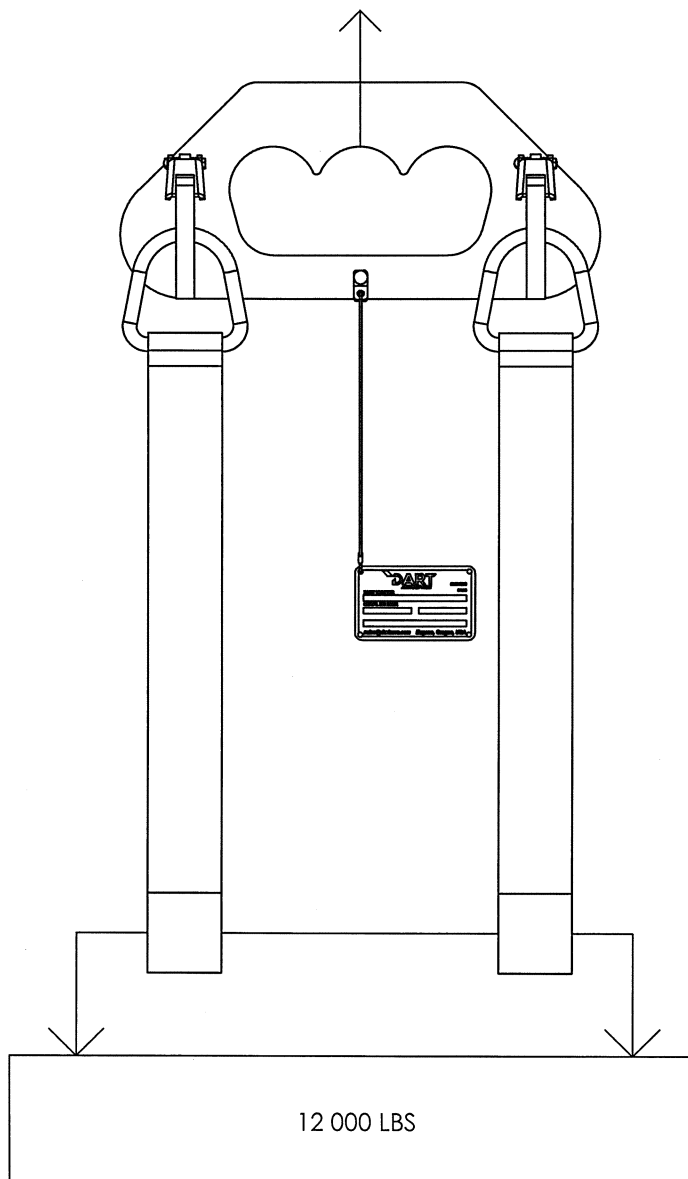
(5)

HOOK

DART AEROSPACE	
TITLE MAIN ROTORHEAD REMOVAL/INSTALLATION HOIST	
DWG NO. RBE117-W3-5	REV B
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -1 WELDMENT	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125/
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES
CHECKED: DUERFELDT	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 1:2	USED ON MODEL
DATE 2010-08-05	EC145
SHEET 4 OF 5	

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INSPECTION & TESTING PROCEDURES FOR THE RBE117-W3.
INSPECT THIS ASSEMBLY PRIOR TO EACH USE. **REPLACE ANY ITEMS THAT ARE DAMAGED OR SUSPECTED OF DAMAGE BEFORE USING.**

FIRST ARTICLE WEIGHT TEST

1. AFTER INSPECTION PLACE HOIST ASSEMBLY ON A OVERHEAD LIFTING DEVICE. ATTACH CONNECTOR HOOKS TO AN APPROPRIATE TEST WEIGHT OF 12,000 LBS.
2. LIFT WEIGHT FOR AT LEAST 5 MINUTES, CONTINUALLY CHECKING FOR CRACKS, DEFLECTION, OR DISTORTION.
3. REMOVE WEIGHT AND RE-INSPECT HOIST ASSY, CHECKING FOR STRESS CRACKS, BENDING, OR DISTORTION.

INSPECTOR: _____
 TESTER: _____
 S/N: _____
 DATE: _____

DART AEROSPACE	
TITLE MAIN ROTORHEAD REMOVAL/INSTALLATION HOIST	
DWG NO. RBE117-W3	REV B
MAT'L HEAT TREAT FINISH SPEC	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125/
DRAWN BY: VM	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED:	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR:	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR:	USED ON MODEL
APPROVED: <i>[Signature]</i>	EC145
SCALE 1:8	DATE 2010-08-05 SHEET 5 OF 5